

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Previously Presented) A spring device comprising:

a coil spring case formed of right, left, back and front side plates and a spring receiving plate,

a linear coil spring, and

a spring urging member inserted into the coil spring case through an opening of said coil spring case for compressing the coil spring in said coil spring case so that the coil spring is deformed along a S curve and is brought into contact with the back and front side plates of said coil spring case at curved portions thereof, when the spring is compressed so as to have a non-linear spring property, a distance between the right and left side plates of the coil spring case being set larger than an outer diameter of the coil spring, and a distance between the back and front side plates of the spring case being set about 1.5 to 2 times larger than the diameter of the coil spring when said coil spring is not compressed.

; and

the coil spring is brought into contact with the back and front side plates of the coil spring case at a curved portions thereof.

2-6. (Cancelled)